

WHAT IS CLAIMED IS:

1. An ultrasonic probe having an ultrasonic transceiver unit and an enclosure for housing the unit, comprising:

a first partial enclosure formed of hard plastics having an opening at the tip; and

a second partial enclosure integrally formed with the first partial enclosure so as to cover the opening to extend from the tip, the second partial enclosure being formed of soft plastics and having the transmission/reception surface of the ultrasonic transceiver unit in contact therewith from inside.

2. An ultrasonic probe according to claim 1, wherein the integrated molding of the first partial enclosure and the second partial enclosure is performed by double molding.

3. An ultrasonic probe according to claim 1, wherein the part of the second partial enclosure in contact with the transmission/reception surface is a thin film.

4. An ultrasonic probe according to claim 1, wherein the hard plastics is polycarbonate.

5. An ultrasonic probe according to claim 1, wherein the hard plastics is poly-butylene-terephthalate.

6. An ultrasonic probe according to claim 1, wherein the hard plastics are ABS resin.

7. An ultrasonic probe according to claim 1, wherein the hard plastics are thermoplastic resin.

8. An ultrasonic probe according to claim 1, wherein the soft plastics are thermoplastic polymer.

9. An ultrasonic probe according to claim 1, wherein the ultrasonic transceiver unit includes an ultrasonic transducer array.

10. An ultrasonic probe according to claim 9, wherein the ultrasonic transducer array include an acoustic lens on the transmission/reception surface.

11. An ultrasonic probe according to claim 1, wherein the second partial enclosure has a color corresponding to the center frequency of ultrasonic waves.